

DR 1045 JULY 1979

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METEOROLOGICAL DATA REPORT

19304DT GSRS Missile No. 1066 Round No. V-56 23 July 1979

by

White Sands Meteorological Team



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ATMOSPHERIC SCIENCES LABORATORY
WHITE SANDS MISSILE RANGE, NEW MEXICO

ECOM
UNITED STATES ARMY ELECTRONICS COMMAND

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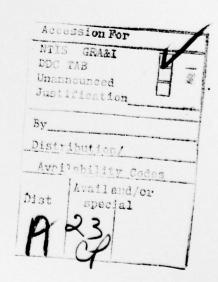
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INTRODUCTION

19304DT GSRS . Missile Number 1066, Round Number V-56 , was launched from 1C-33. White Sands Missile Range (WSMR), New Mexico, at 1400 MDT.

23 July 1979 . The scheduled launch time was 1400 MDT.

DISCUSSION

Meteorological data were recorded and reduced by the White Sands Meteorological Team, Atmospheric Sciences Laboratory (ASL), White Sands Missile Range, New Mexico. The data were obtained by the following methods:

1. Observations

a. Surface

- (1) Standard surface observations to include pressure, temperature (°C), relative humidity, dew point (°C), density (qm/m^3) , wind direction and speed, and cloud cover were made at the <u>LC-33 Met Site at T-0 minutes</u>.
- (2) Anemometer data were provided from existing pole-mounted and tower-mounted anemometers at LC-33. Monitor of wind speed and direction from one anemometer was also provided in the launch control room.
 - b. Upper Air
- (1) Low level wind data were obtained from RAPTS T-9 pibal observation at:

SITE AND ALTITUDE

No Available

(2) Air structure data (rawinsonde) were collected at the following Met Sites. Data were collected from surface to 90,500 feet in 500-feet increments.

SITE AND TIME

SMR 1300 MST



	Y186,500										1	1	T	
	W100 000		POL		000						$\frac{1}{1}$		+	
MET TOWER	Y186,000			E 1			L519						+	
	Y185,500												\pm	
	1105,300							RA	PTS C	r-9	1			
X485,000	Y185,500	%485,500				000 98%		BLO	СКНО	JSE	X486,500			x487,000

- MET TOWER 4 Bendix Model T-20 Anemometers at 12 ft, 62 ft, 102 ft, and 202 ft with E/A recorders.
- 2. POLE ANEMOMETER Bendix Model T-120 with E/A recorders.
 - (a) Pole #1 38.7 ft
 - (b) Pole #2 53.0 ft
 - (c) Pole #3 83.6 ft
- 3. RAPTS T-9 Radar Automatic Pilot-Balloon Tracking System T-9 Radar.

TABLE 1. Surface observations taken at LC-33 23 July 1979 at 1400 MDT, 19304DT GSRS, Missile No. 1066, Round No. V-56.

	T	
ELEVATION	3977.30	FT/MSL
PRESSURE	876.0	MBS
TEMPERATURE	35.0	°C
RELATIVE HUMIDITY	29	2
DEW POINT	14.2	•c
DENSITY	983	GM/M ³
WIND SPEED	03	MPH
WIND DIRECTION	090	DEGREES
CLOUD COVER	2 CB	1 CS

TABLE 2. LC-33 FIXED POLE ANEMOMETER-MEASURED WINDS

	POLE #1			POLE #2		POLE #3									
T-TIME SEC							DIR DEG	SPEED							
-30	220	05.0	-30	235	03.0	-30	247	07.0							
-20	237	05.0	-20	251	04.0	-20	230	05.0							
-10	221	04.0	-10	263	03.0	-10	228	03.0							
0.0	231	05.5	0.0	269	04.5	0.0	235	06.5							
+10	229	06.5	+10	251	04.5	+10	246	03.5							

				_, Missil 23 July			, Round No. 1400 MDT -	V-56	1	launched
POLE	#1	=	X485	,874.29	Y185	,958.90	H4018.74	38.7	t.	AGL
POLE	#2	=	X485	,874.93	Y186	,012.00	H4033.57	53.0	ft.	AGL
POLE	#3	=	X485	,877.29	Y186	,116.06	H4063.92	83.6	ft.	AGL

NOTE: Wind directions are referenced to the firing azimuth or true north true north

TABLE 3. LC-33 METEOROLOGICAL TOWER ANEMOMETER-MEASURED WINDS (202 FT. TOWER)

	EVEL #1 12 ft.		LEVEL #2 62 ft.								
T-TIME SEC	DIR DEG	SPEED MPH	T-TIME SEC	DIR DEG	SPEED MPH						
-30	240	10.5	-30	243	13.0						
-20	258	10.5	-20	235	11.5						
-10	243	08.0	-10	238	12.0						
0.0	264	10.0	0.0	243	10.0						
+10	255	09.5	+10	+10 232 09.0							
	EVEL #3 102 ft.			LEVEL #4 202 ft.							
T-TIME SEC	DIR DEG	SPEED MPH	T-TIME SEC	DIR DEG	SPEED MPH						
-30	260	12.0	-30	287	07.0						
-20	252	12.0	-20	293	07.0						
-10	242	12.0	-10	270	07.5						
0.0	265	10.0	0.0	07.0							
+10	250	08.0	+10	250	06.0						

WTSM Coordinates: X484,982.64 Y185,957.73 H3983.00 (base)

Type 19304DT GSRS , Missile No. 1066 , Round No. V-56 launched from LC-33 on 23 July 1979 at 1400 MDT .

NOTE: Wind directions are referenced to the firing azimuth or true north true north.

STATION ALITHUS 3997.30 FZET 4SL 23 JULY 79 ASCENSION 40. 252

SIGNIFICANT LEVEL DATA

JECOL TIC CCOLUI MIES LE 15534 TAI E6 106-42507 LON DE6

2

REL.HUM. PERCENT	$\begin{array}{c} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 $	
RATURE DEWPOINT CENTIGNADE	1 0 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
TEMPE AIR DEGREES		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
ALTITUDE S MSL FEET	200 200 200 200 200 200 200 200 200 200	020000000000000000000000000000000000000
PRESSUR	\$ 0.00000000000000000000000000000000000	12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

200
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DENSITY GMZCUBIC METER
REL.HUM. PERCENT
GEUMETRIC PRESSURG TEMPERATUME REL.HUM, DENSITY SMEED OF ALTITUME AIR DEWPOINT PERCENT GMZCUBIC SOUND UI MS. FEET MILLIBARS DEGREES CENTIGRADE METER ANDTS DEG
TEMP AIR DEGREES
PRESSURL MILLIBARS
GEUMETRIC PRESSURE ALTITUDE MS. FEET MILLIBARS

6E0DETIC COOKDINATES 32.48034 LAT DEG 106.42307 LON DEG

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INCEX OF REFRACTION	1.000288	1.000261	1.000256	1.66025	1.000250	1.000247	1.0000244	1.0002	1.000225	1.00021	1.000209	1.003203	1.000264	1.000205	1.000204	1.000204	1.0000203	1.000201	1.000199	1.000196	1.060193	1.000189	1.000184	1.000180	1.000175	1.00017	1.000170	1.000103	1.000158	1.000152	1.000148	1.000144	1.000141	1.000139	1.000138	
SPEEU KNOTS		0.00	æ 0.	· •	5.4	3.0	2 0		1.4	1.2	1.6	2.7	3.8	9.0	3.1	2.4	2.0	5.6	3.5	4.9	6.5	7.8	7.9	7.8	7.8	7.6	6.7	0.0	3.7	2.1	1.4	1.3	1.7	1.6	2.5	
WIND DATA UIRECTIO. S DEGREES(1.4) K	0.05	5.70	0000 0000	サ・ナナか	19.5	2.07	3.07	7	343.2	2.067	401.1	4.107	4.607	271.1	279.7	613.5	202.7	250.0	6.007	201.1	6.107	802.9	0.602	277.3	7.25.7	5.00.	0.070	540.5	۲۰۰۲	2007	25.56	1.001	170.4	223.1	237.9	
SPEED OF SOUND KILUTS	050.1		681.0 079.4				673.6							-		650.1				-		0.040		645.7					633.8	0.250		5.700	030.1	-	500.0	
DENSITY GMZCUBIC WETER	983.4	976-7	952.7	940.6	920.0	917.6	905.7	0000	873.5	863.3	853.2	845.9	831.2	619.0	803.5	797.3	760.4	775.7	765.4	755.3	745.6	731.4	715.6	709.5	9.609	0.690	579.5	669.3	6.0.0	9.449	9.429	554.7	5:4:6	505.3	5.95.6	
REL.HUM. PERCENT	31.0	21.6	25.5	27.3	29.5	31.2	33.0	34.1	30.2	26.3	55.4	19.9	26.5	33.1	39.7	46.3	55.9	50.5	0.50	2000	72.7	9.60	57.4	5.90	55.0	t. 0.0	71.7	0.60	3.95	37.0	50.3	21.6	42.4	23.t	28.4	
TEMPERATURE R DEWPOINT RES CENTIGRADE	15.1	0 I	- 1-	7.6	7.4	7.1	o 4	4.7	1.0	-1.5	-5.1	-7.9	-5.3	-3.5	-2.5	11.4	s	7.1	٠. د	-1.1	-1.7	-2.4	# P	D	-6.3	-6.9		-10.1	-13.6	-16.4	6.61-	-44.5	1.42-	2.42-	-23.9	
TEMP AIR DEGREES	34.7	32.4	29.5	28.2	26.8	20.4	20.00	0.10	19.0	18.0	16.5	14.9	13.6	12.3	10.9	9.6	8.2	6.9	5.0	· · ·	2.1	2.0	2.0	.7	5.5	-1.7	6.2-	-3.9	-3.9	-3.9	-4.9	-5.7	-6.8	6.4-	6.8-	
PRESSURC MILLIBARS	875.5	8-00-8	640.5	817.5	003.5	739.8	755-6	744.8	750.6	723.6	710.9	690.3	695.7	073.3	661.1	649.1	537.4	6529	014.4	503.1	6.160	590.9	570.1	55%.4	0.640	533.6	523.4	518.4	5000	8.064	403.5	0.54	470.5	401.3	40.4.5	
SEUMETRIC ALTITUDE MSL FEET	3997.5	4500.0	5560.0	6000.0	6560.0	20002	3.0057	x500.0	0.0000	9500.0	10030.0	10500	11000.0	11550.0	12050.0	12500.0	13000.0	13500.0	1+0000-0	14500.0	12000.0	15593.9	160000	10500.0	17000.0	17500.0	13000.0	18500.0	19070.9	19500.0	200000	20500.0	21039.0	21500.0	4200000	

UPPLR AIR DATA	20400000222	A E 2	
	STATION ALTITUDE 3997.30 FEET MSL	23 JULY 79 1300 HRS MST	ASCENSION 110. 252

GEODETIC COOMULATES 32.48034 LAT UEG 106.42307 LOA DEG

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SPEEU	21012	t. (B	5.4	5.9	4.9	7.0	7.3	7.7	8.2	6.7	P. 6	0.0	ò	0			12.2	d	· ·	·	0	ċ	4.6	0.6	9.4	6.0	8.0	3.1	8.5	6	0		è	'n	5	·		a . + . T		13.7	m
JIRECTIO	107	7	505.5	03.	60	.60	+5	.65	75	.06	+	53.	7.	00	000	-10		74.	70.	71.	70.	03.	91.	.76	505	60103	. +0	•	07.		000	0	17.	·	13.		14.	6.012	;	1	3.622
SPEED OF SOUND	20.0	3.	020.3	0,7	2	74	3	V	000	5	610.3	2.	cio.3		613.8	614.5	611.1	9.609	607.3	605.0	0.409	DCK . 4	00000	5.4.6	5.97.6	550.0	3. +50	592.7	591.1	1. NOW	507.0	5000.1	7.700	3.253	581.1	579.4	577.7	570.6	574.7	5.50.3	271.0
DENSITY S EM/CUBIC	r d	99	559.0	51.	45.	+	50	17.	03.	.00		33.	7.4.	000	59.	51.	* + +		31.	+ 10	17.	10.	3.	. 26	.00		3	7 i.	92.	300	35	0,	· 0 :	35.	000	3	13	.,	00	00	0
REL.HUM. PERCENT		37.4	t.0t	4.04	4.9.4	47.0	47.0	47.0	47.6	41.4	53.0	25.3	21.1	50.6	24.7	23.4	32.2	35.4	30.00	35.7	36.3	35.0	35.6	35.2	34.9	54.5	34.2	32.2**	28.7**	25.2**	21.7**	18.2**	14.7**	11.2**	7.7**	**2*1	**/.				
RATURE DEV.POINT	CENT LORADE	r.	-23.9	44.	24.	25			•		-33.5																0		m	-56.0	00	ċ		·							
AIR	したられたけっ	-12.2	-15.3	-14.4	-15.5	-10.5	-17.5	-16.6	-19.7	-20.5	-21.3	-22.1	-23.0	-23.9	-25.0	-20.1	-27.1	-28.4	-30.5	-31.5	-32.8	-34.1	-35.3	-30.0	-37.9	-39.1	1:01-	-41.7	-45.0	-44.5	-45.5	-40.8	-40.1	4.61-	-50.7	-52.0	-53.2	1-54.4	0		57.
3ESSUR	MILLIBARS	N	417.9	0.3	0.1	50	35	70	70	20	55	t.	7	34	27	20	3	10	00	+	30	27	10	50	0.	50	N	+7	7	55	20	50	50	1:0	1.0	35	00	30	7	10	36
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** AT LLAST ONE ASSUMED PELATIVE HUBIDITY VALUE WAS USED IN THE MITENMOLATION.

STATION ALTITUDE 3997.30 FEET MSL 23 JULY 79 1500 FRS MST ASLENSION NO. 252

JEODETIC COOKJINATES 32.48034 LAT DEG 196.42307 LON DEG

120

12FX	SPEED ANOTS RE	13.9 1.00005	13.7 1.000063		-		10.1 1.000059		-			11.3 1.000053				10.7 1.006043		-		12.1 1.000044	7	11.5 1.00001	-	-	9.5 1.000033	10.9 1.000037	-	-	-	-		-					700.1	i.	3 1.00002	
ATAC V.NI.	UIRELTIO. UCGRECO(TH)	257.0	2.3.1	660.0	415.4	6.407	190.6	6.C6T	200.7	0.000	2003	0.212	5.4.0	20705	20+02	267.0	213.9	193.1	173.0	177.9	177.5	171.0	101.9	140.4	1.63.1	10001	5.15	0.50	0.00	7.0%	100.4	110.7	110.5	140.0	10000	1000	2.004	0.01	3.404	,
נים פיניים	SOCIAD NEOFS	570.5	555.0	507.4	500.6	564.0	0.000	561.4	55%.4	557.5	550.0	55+.2	554.5	551.1	550.9	550.0	550.3	550.1	549.3	6.040	552.3	554.9	552.9	553.3	555.1	555.4	50.00	4.033	0.000	553.0	5.46.	550.4	555.1	Sel.o	5000.	5000.7	0.100		3.10	
** T T O Z U	64ZCUBIC METER	265.9	284.5	273.0	273.0	265.4	263.2	258.2	253.9	546.0	2++5	239.5	234.6	230.1	224.4	213.5	213.3	293.2	2000	197.1	191.1	1.35.9	151-1	176.5	171.9	167.5	153.2	159.0	155.0	151.0	140.0	141.0	137.2	132.0	173.0	120.7	000	119.0	115.9	
WIEL 198	PERCENT																																							
ACUTAN PONT	DEAPOINT CENTIGRADE																																							
1	DE GR	-53.9	-60.0	-61.1	-62.1	-63.2	-64.	-65.5	-07.1	1.00-	9.69-	-70.8	-72.0	-73.0	-73.2	-73.4	-73.6	-73.8	-74.0	-73.2	-76.5	-71.8	-711-7	-71.6	-71.5	-71.5	-71.4	-71.4	-71.3	-71.2	-70.4	-69.3	-67.2	-650-	0.49-	-03.0	-63.5	-63.3	-65.1	. , -
PRESSUR	MILLIBARS	170.3	174.1	109.9	100.0	161.7	157.8	155.9	150.1	140.4	142.7	139.1	1,55.6	132.2	120.3	140.5	122.3	119.2	110.1	113.1	110.3	107.0	104.7	102.1	3.66	6.76	5.+6	94.1	86.39	87.5	65.3	33.5	61.1	75.1	77.2	75.5	7.0.4	71.7	0.50	,
GEOMETRIC		43500.0	0.000++	44520.3	45000.0	42500.0	46600.0	40530.0	47000.0	47500.0	43000.0	+3500.0	0.00064	9.0056+	5300000	0.00500	51000.0	0.00510	52000.0	52500.0	0.00000	535g0.n	0.00000	54500.0	0.00000	52560.9	5000000	20500.0	570000	0.90576	0.000000	53500.0	0.00.060	59500.0	0.00°	6.00000	016,9.0	0.15(0.0	3-0-076	3 0

STATICH AL 23 JULY 79 ASCENSION	ALTITUDE 399 79 1 00. 40. 202	3997.30 FZET MSL 1300 HRS MST	5	2020 AIR 2020062 2 3 8 8	Unite.		32. 106.	C COOMUINATES 44634 LAT DEG 42507 LON DEG
GEUWETHIC ALIITUDE ASL FEET	PRESSURE MILLIDARS	TEMPERATURE AIR DEWPOINT DEGREES CENTIGRADE	RCL, HUM. PLRCENT	LENSITY GM/CUBIC WLTER	SVEED OF SVUID AND AND TO	DIRLCTIO.	VEEE ANOTO	INUEX OF REFRACTION
0.3500.0		-63.1		.70		62.0	12.1	.00000
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9-00266		-59.1			200	0.0%	26.7	.90001
70000.0		-58.8			570	0.+5	27.9	.00001
70599.0		1.58.4			570	5.55	20.5	.00001
71000.6		-53.1			571	36.56	30.6	.00001
7,157,0.0		-57.7			571	0.26	51.9	.0000
72000.0		-57.u			576	9.15	32.8	.00001
12500.0		-57.0			572	6.76	32.7	.0000
73019.6		-50.7			573	7.56	32.6	.00001
73599.0		-55.3			573	V	32.6	.00000
74059.0		-56.0			274	41.5	32.8	. 60001
745,0.0		-55.6			274	20.7	33.1	.00001
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01500.0		-43.7			585	•	35.8	1.000009
0.0(050		-43.0			000	+	35.3	. 66300
5.6,7250		-400.0			3.7.	7.05	35.5	.0000
5	2007	-43.0			500		24.7	000000

STATION AL 23 JULY 79 ASCENSION	. LITUDE 35	STATION ALLITUDE 3597.30 FEET MSC 23 JULY 79 ASCENSION NO. 252	UPPER AIR DAIA 2040060202 5 M R	DATA:		32. 196.	060000110100000110165 32.40034 LAT DE6 106.42307 LOW DE6
GEUMETRIC ALTITUDE WSL FELT A	PRESSURE FILLIBARS	TEMPERATURE AIR DEMPOINT DEGREES CENTIGRADE	REL-HUM, DENSITY SPEED OF PERCENT GYZOUPIC SOUND METER NAOIS	SPEED OF SOUND NIOTS	WIND DATA DIRECTIO. S DEGNEES (TW) N	SPEED NIOTS	INDEX OF REFRACTION
93500.0	25.1	-48.5	38.9	565.9	94.1	34.8	1.0000009
04000.0	24.5	148.0 0.0	30.00	58.0.0	27.0	36.4	1.000008
9200000		t.81-	36.0		97.0	38.7	1.000008
0.05500		-48.3	35.4		7.96	38.1	1.000008
0.00000		147.6	34.0	580.1	93.0	37.5	1.000003
0.00000		0.74-	33.7	500.0	7.95	37.2	1.000007
37000.0		-46.3	32.0		75.7	37.6	1.000007
0.00920		-45.7	32.0	567.5	7.56	38.0	1.000007
64600.0		-45.1	31.2				1.000007
0.00588		-44.5	30.4				1.000007
0.06060		-44.5	7.62	5.9.0			1.000007
695:0.0		L+17-1	29.1				1.000000
0.03004		P.++-	28.0	586.7			1.000006
90500.0	13.2	6.44-	27.0	560.0			1.000006

MRN SIGNIFICANT LLVEL DATA	2020000000	÷ 7
	STATION ALITIDE 3997-30 FEET MSL 23 JR Y 29	ASCENDION 10. 202

GEODETIC COOMULATES 32.48034 LAT DEG 106.42307 LON DEG

PAESSURE MILITARY	1.620+1	2.000+1	2.300+1	3.000+1	3.400+1	5.000+1	5.003+1	7.000.7	7.700+1	8.140+1	1.000+2
TEMPERATURE AIR OFF	6.44.	5.44-	146.4	8.34-	-53.9	9.65-	-63.1	-63.1	0.49-	-71.2	-71.6
. 10 Ter		66									
71 & 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	*** 5566-	******	-17.	-10.	-10.	-1	.6-	.: .:	-7-	• ~-	;
OATA N-S	*** 55666-	***6606-	·.	۲.		.5	•0	:	٥.	1.	்
WIND SPEED MPS		***6666	20.	18.	18.	13.	• •	·.	• 6	• 5	S.
U.RECTION DEW (TN)	****6666	*** 66666	.95	97.	. 46	.25	95.	104.	151.	•66	126.
GEOPOTENTIAL ALTITUDE DECAMETERS	2747.	2085.	-1663	2416.	2532.	2090-	2013.	1252.	1024.	1755.	1066.

** WIND DATA NOT COMPUTED DUE TO MISSING RAW AZIMUTH AND ELEVATION ANGLES.

7	LTITUOL	STATION ALTITUDE 3997.30 FEET MISH	11 i.SL
23 JUL 7 79	6.	1509 HRS NST	N. C. I

MANDATURY LEVELS 2040960252 S.M.R

6EDDETIC COORDINATES 32.48634 LAF DEG 136.42307 LON DEG

DATA SPEED N KNOTS	
DIALCTION DEGREES(TN)	
REL.HUM. PERCENT	0.04 4 4 0.0 0 4 4 4 0.0 0 4 0 0 0 0 0 0
TEMPERATURE DEWPOINT EES CENTIGRADE	111111 1200 1200 1200 1200 1200 1200 12
TEMP AIR DEGREES	
OPOTENTIAL FEET	4858. 84858. 84866. 10424. 10422. 104022. 104022. 104022. 104022. 104022. 10403391. 1040391. 1040391. 1050430. 1050430. 1050430. 1050430. 1050430. 1050430. 1050430. 1050430. 1050430. 1050430.
PRESSURE GEOPOTENTIAL	88 80 77 70 80 77 70 80 80 80 80 80 80 80 80 80 80 80 80 80
2	

** AT LEAST ONE ASSUMED RELATIVE HUMICITY VALUE WAS USED IN THE INTERPOLATION.

	MPN MAINDAIONY CEVELS	
STATION ALTITUDE 3497.30 FEET MSL	20400605	GEODETIC COONDINATES
23 JUL 1 79 1500 HR5 MST	SHR	32.40034 LAI 2EG
ASCENSION NO. 252		106.42307 LCV DEG

	600	2.0001	2.500+1	3.000+1	4.000+1	5.000+1	6.0000+1	7.000.7	8.000+1	1.000+2	1.250+2	1.500+2	1.750+2	2.000.5	2.000.2	3.000.5	3.50042	4.000.4	4.500+2	5.000+2	5.500+2	6.000+2	6.500+2	7.000+2	7.500+2	8.000+2	8.50042
TEMPERATURE	AIR DEG C	5.44-	-48.5	-48.8	-56.3	9.65-	-63.1	-63.1	-66.3	-71.6	-73.4	-67.2	1-59.1	-53.5	-41.0	1.02-	-21.9	-15.7	2.6-	-3.8	7:-	3.6	6.7	15.1	21.2	20.4	31.3
	DC# PT DC: DEG C	7,7	2,2,	66	66	65	55	66	かか	66	66	65	66	66	10	1.0	**	60	2	14	90	CO	11	23	10	1.7	54
	1 기본	*** 6666-	-10.	-10.	-17.	-17.	-1.	-5-	.01	• • • •	;	٧.	•	۲.	• 7	-1-	.,	• 7	7.	-0.	. ,	•	• •	7.	• > 1	٠٠-	-7-
DATA	S S S C S C S C S C S C S C S C S C S C		6)	• • •	:	1.	١.	1.	5.	.,		5.	5.	••	. 3	٠,٥	5.	3.	::	-1:	-7-	•0	-0-	.0	-;	-1:	-0-
ONIM	SPEED MPS	***6666	18.	.8.	17.	13.	7.	5.	10.	5.	5.	10	7.	.9	. +	•	5.		:	1.	. +	.0.	••		1.	:	1.
	DIRECTION DEG (TM)	*** 6666	98.	.86	93.	97.	.8÷	105.	122.	130.	227.	<01.	230.	212.	<0°20	170.	· hoT	-607	234.	22.	-767	262.	. t/2	261.	٠,	. 23.	73.
GEUPCIENTIAL	ALTITUDE DECAMETERS	2063.	2030.	2410.	5431.	-0602	1977.	1086.	1001.	1000.	1557.	1459.	1334.	1450.	1102.	975.	663.	764.	.+10	594.	010.	440.	200.	518.	.652	202.	140.

** MIND DATA NOT COMPUTED DUE TO MISSING KAW AZIMUTH AND CLEVATION ANGLES.